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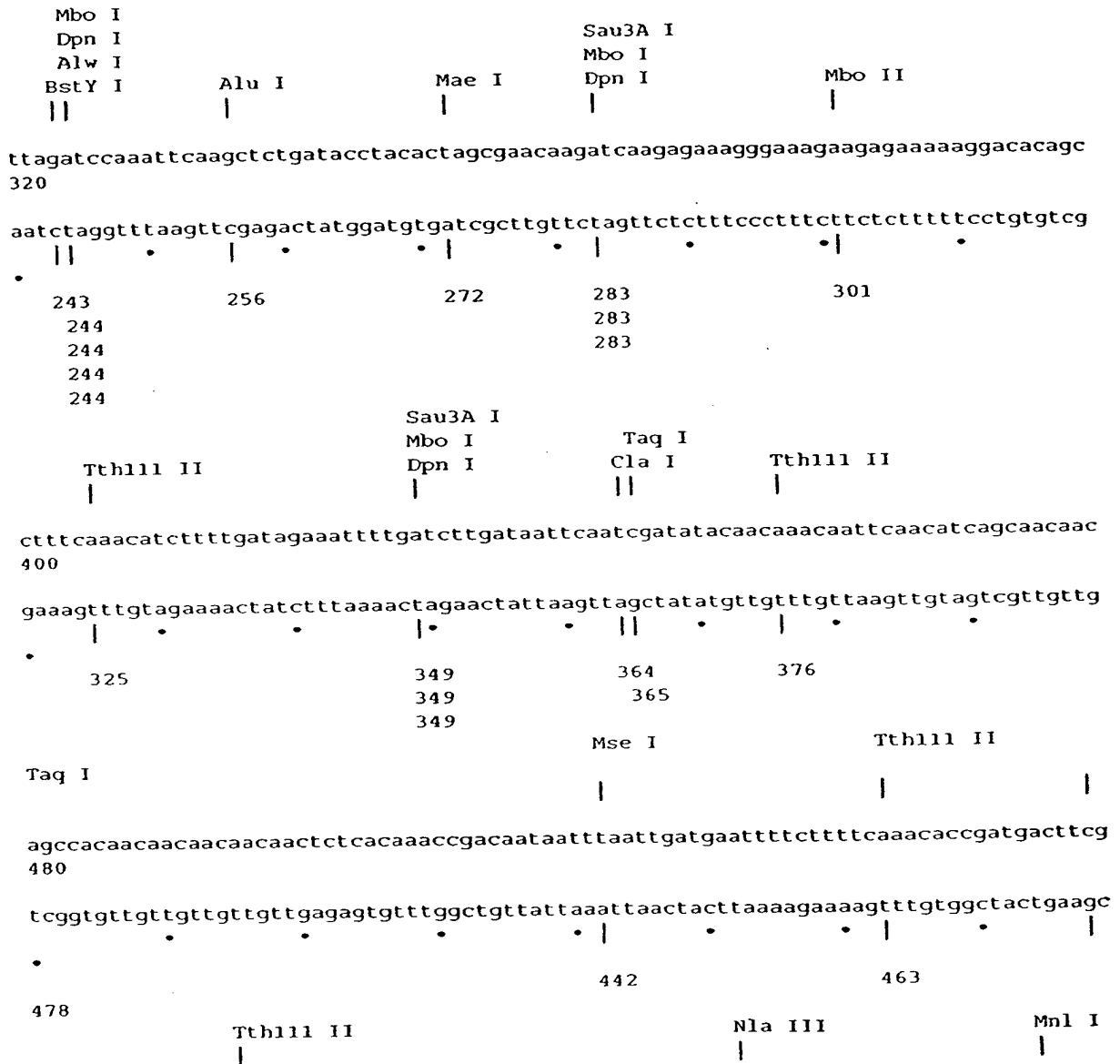


FIG. 1-2

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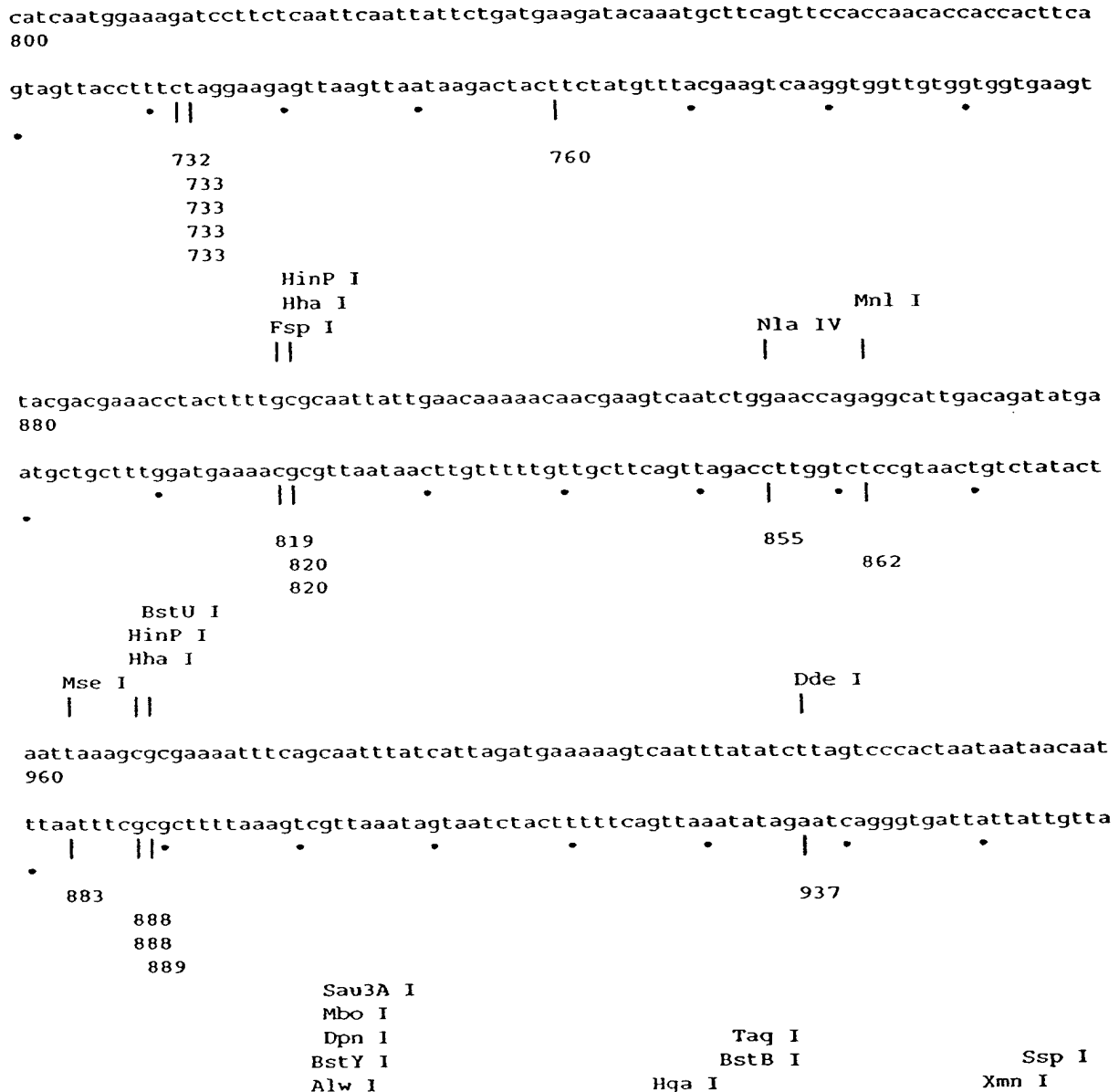


FIG. 1-4

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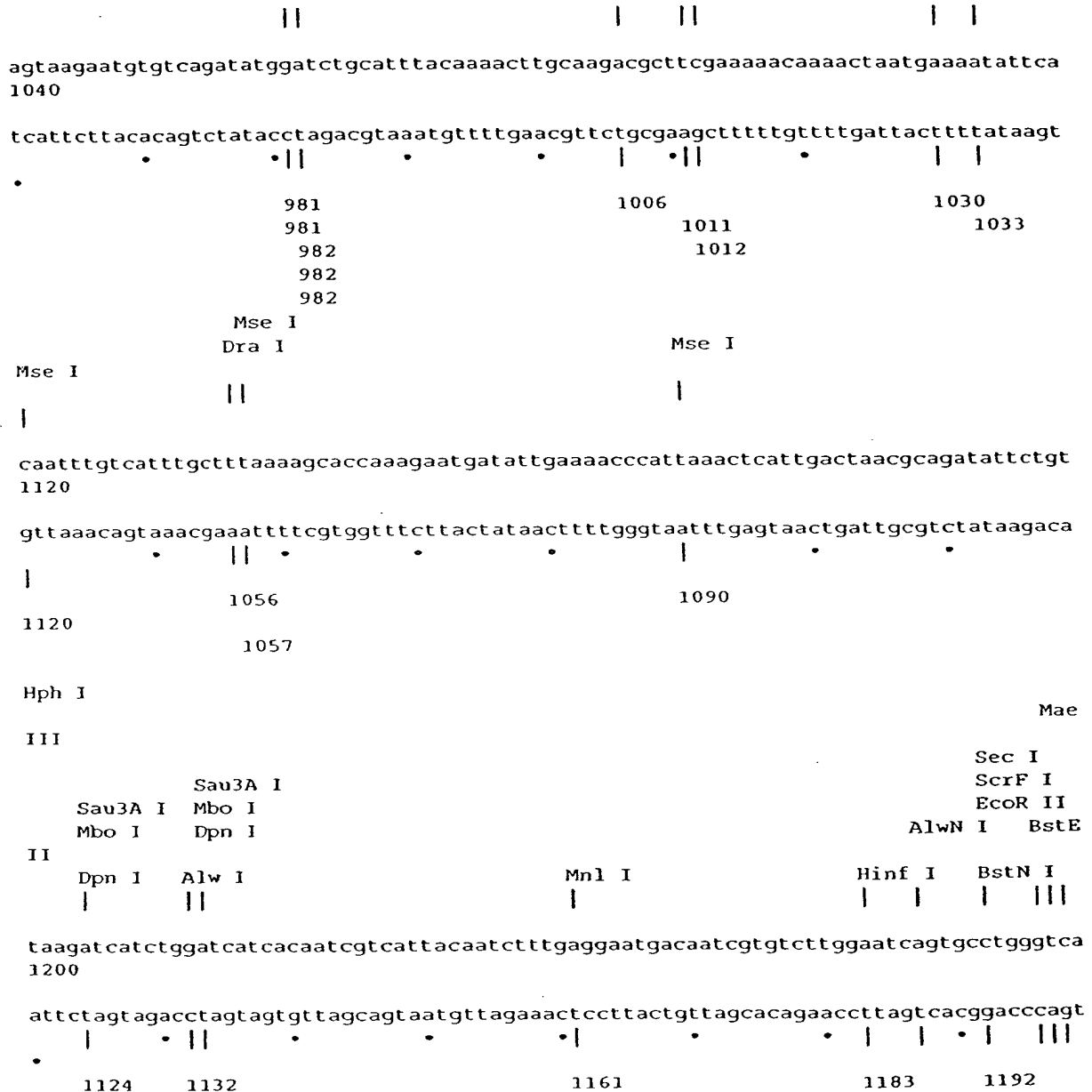


FIG. 1-5

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FIG. 1-6



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aagagccaaagagcaatttggagtttgtcaaggttaccatcaagaaagaaccagttctggccacggaaataaaagctcca
 1680

ttctcgggtttctcgttaaacctcaaacagttccaatggttagttctttcttggtcaagaccgggtgcctttattttcgaggt

• • • • •
 •
 1632 1648 1658 1674
 1633 1658 1658 1659 1661
 Ssp I
 Taq I Mse I Mbo II NspB II Fok I
 | | | | |

aaaagagaattttcaagtcgaatattaagaataaaaaatgaagatgaaattgccgaaccagctgatattcatcctaaaaa
 1760

ttttctctaaaagttcagcttataattcttattttttacttctactttaacggcttggtcgactataagtaggattttt

• • • • •
 •
 1698 1705 1720 1739 1750
 1701 1739 1740
 Mbo II
 Nla III Nsi I Hinf I
 Tth111 II Tag I SfaN I Mbo II Mse I Mnl I
 | | | | |

agaaaatgaagcaaacagtcattgtcgaagatactgatgcattggtgaagaaagcacttaatgatgatgaggaatctgaca
 1840

tcttttacttcggttggtcagtagcagcttctatgactacgtaacaacttctttcgtgaattactactactccttagactgt

• • • • •
 •
 1772 1784 1795 1806 1817 1828
 1780 1796 1831
 1786
 Mbo II
 Bbv II
 |

cgacccaaaactcaacgaaaatgtcaattcgttttcatattgatagtgattggaaattggaagacagtaatgatggcgat
 1920

FIG. 1-8

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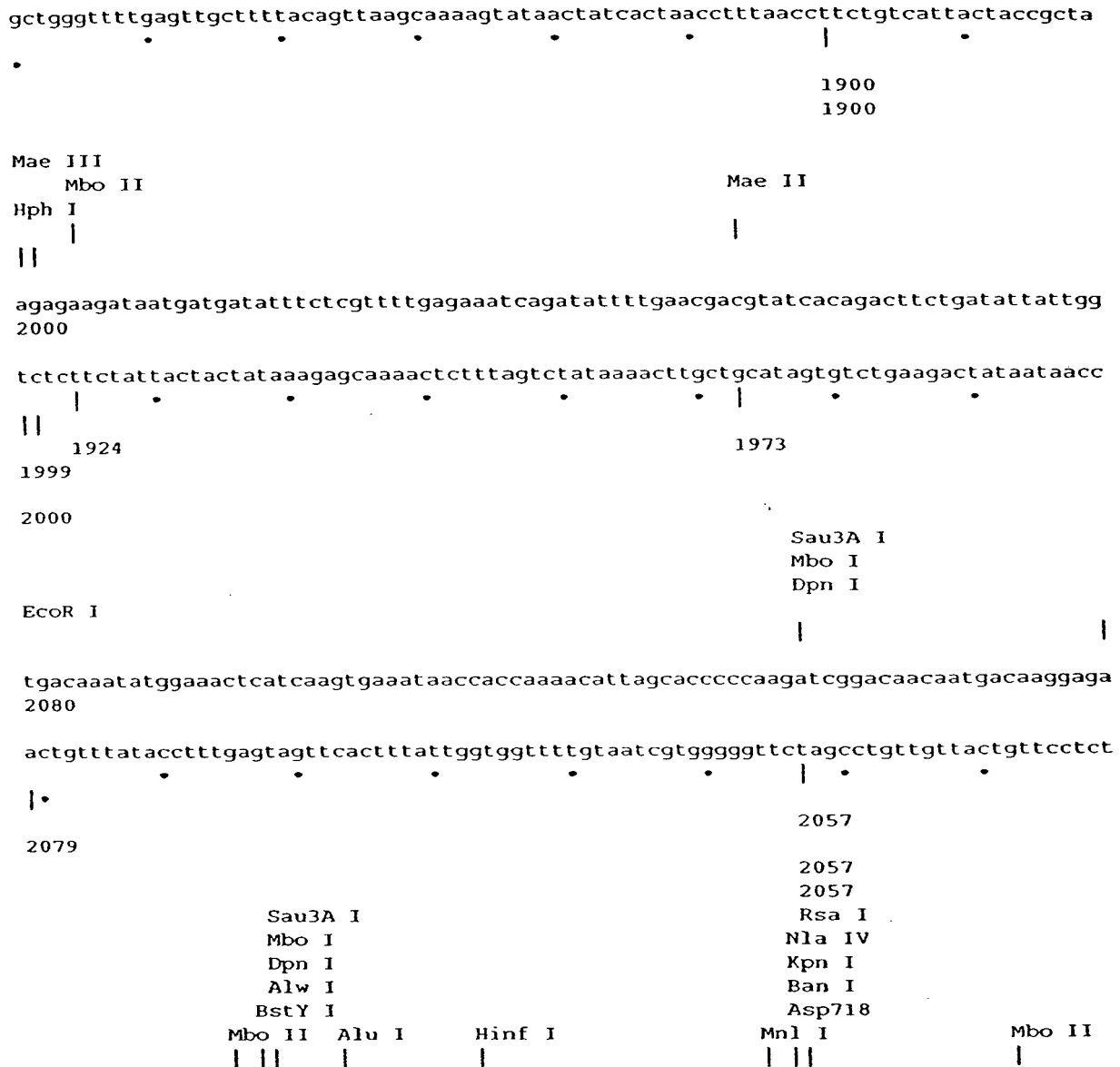


FIG. 1-9

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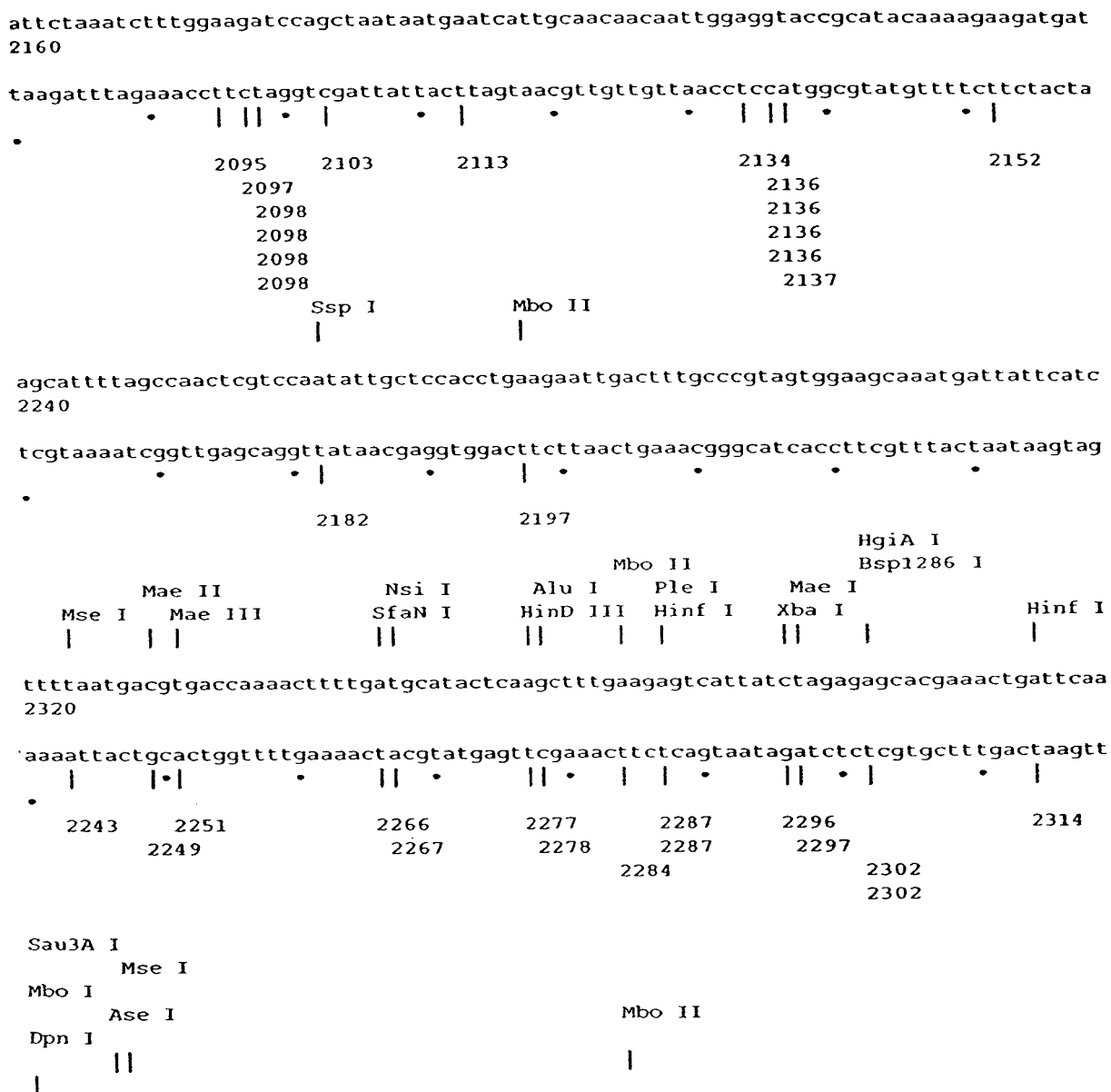


FIG. 1-10

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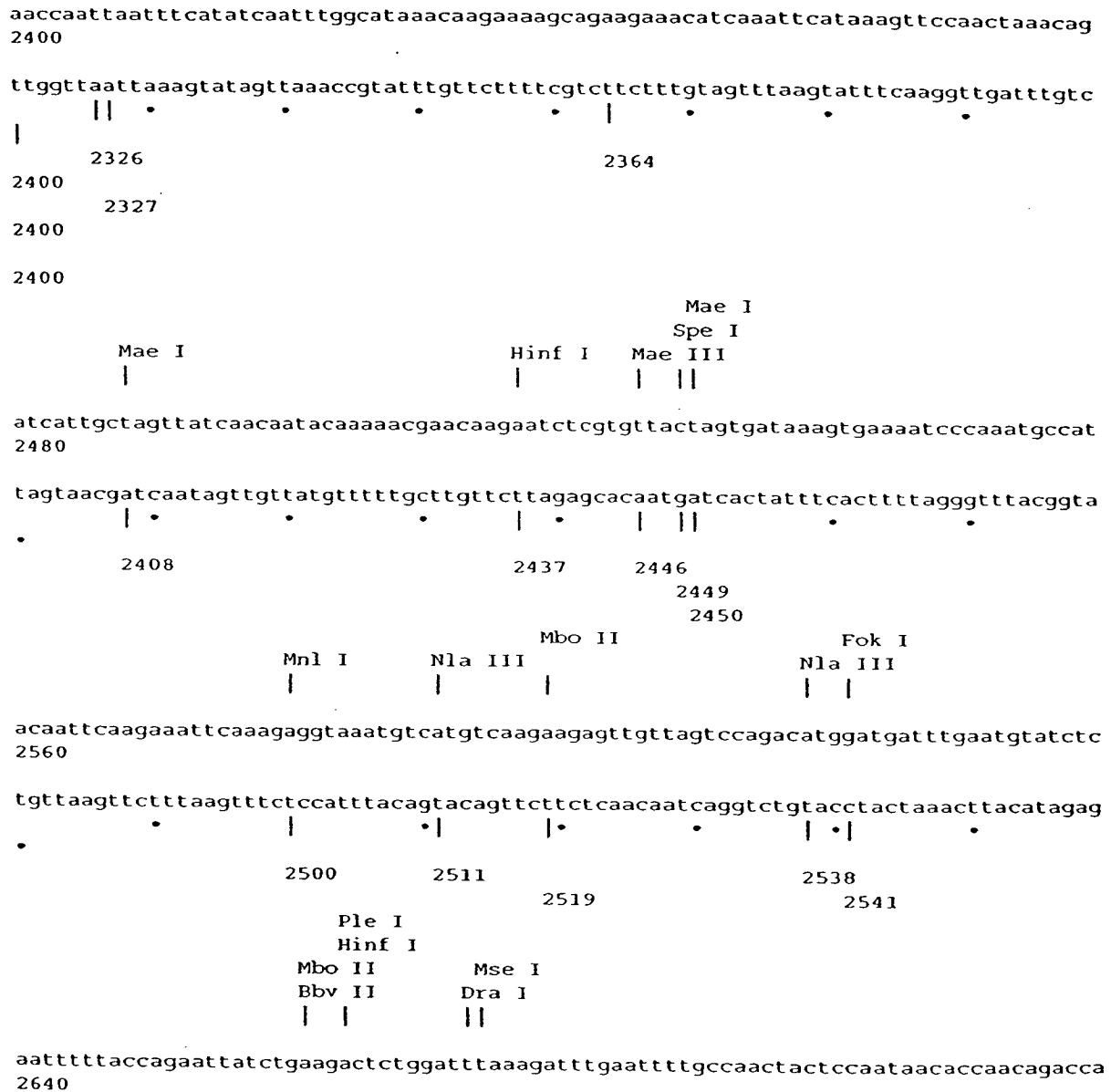


FIG. 1-11

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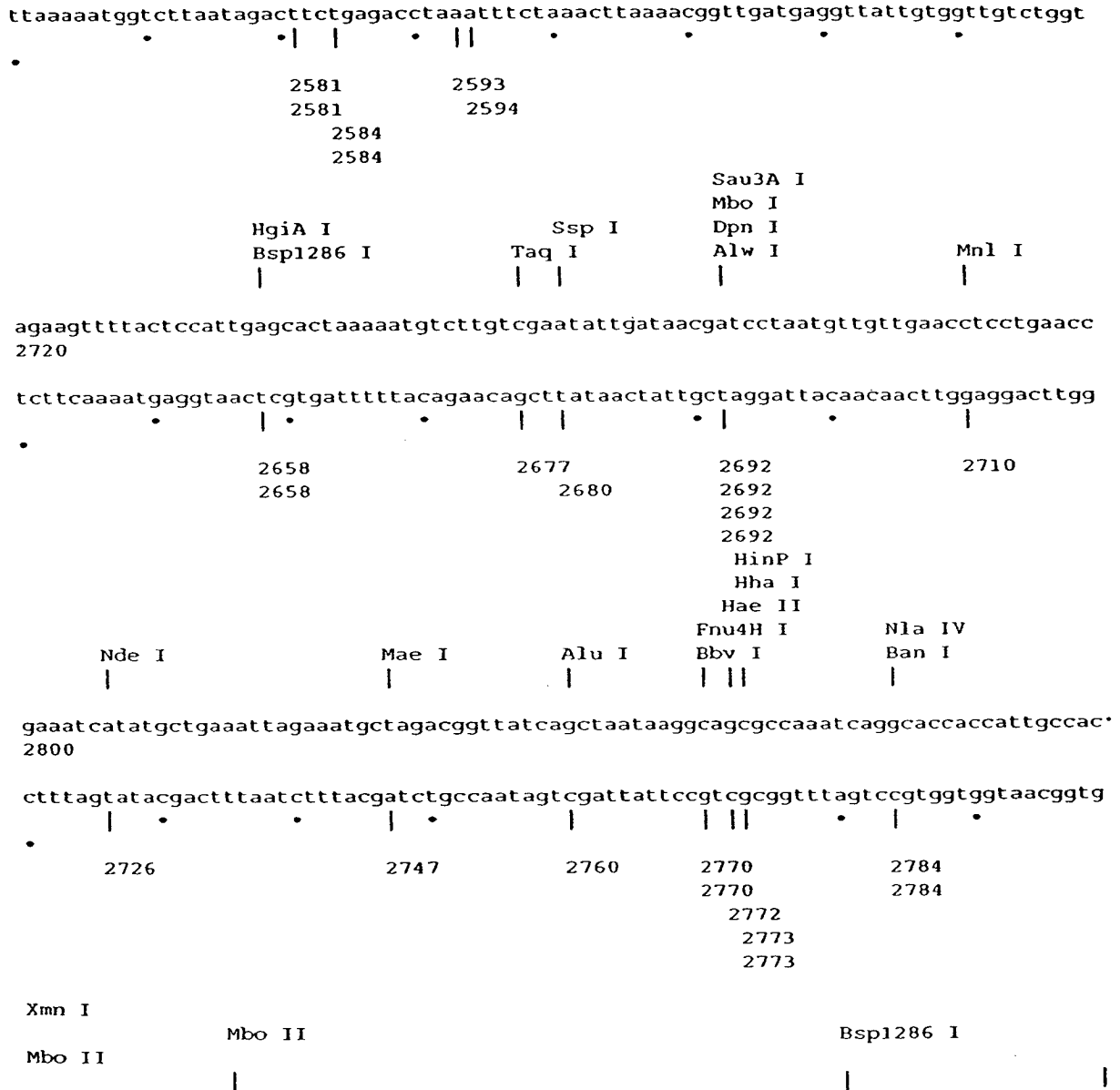


FIG. 1-12

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cacaacgacaaccatcttcaactcgttccaattcaaataaacgagtggtccagatttagagtgccacatttgaaattaga
2880

gtgttgctgttggtagaagttgagcaagggttaagtttatttgctcacagggtctaaatctcacgggtgtaaactttaatct

| •
2815 2860

2879

2879

Nla III
 NspH I
 Nsp7524 I
 Mbo II
 Mae III
 Xmn I Dra III Afl III
 | | | |

agaacttcttcagcattagcaccttgtagacatgtataatgatatttttgatgatttcggtgcgggttctaaccaactat
2960

tcttgaagaagtcgtaatcgtggaacactgtacatatattactataaaaactactaaagccacgccaagatttggttgata

| | • | | | • • •
 •
 2882 2887 2900 2906 2909 2909 2909 2910

Ple I

Hinf I

III

Mnl I Bsm I Mae
 | | |

aaaggcagaaggaatgaaaacattgccaaagtatggataaagatgatgtcaagaggattttgaatgcaaagaaagggtgtga
3040

tttcggtcttcttacttttgtaacgggttcataacctatttctactacagttctcctaaaacttacgtttctttccacact

| • • • • • | • | • |
3012 3021

3037

3039

FIG. 1-13

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3039



FIG. 1-14

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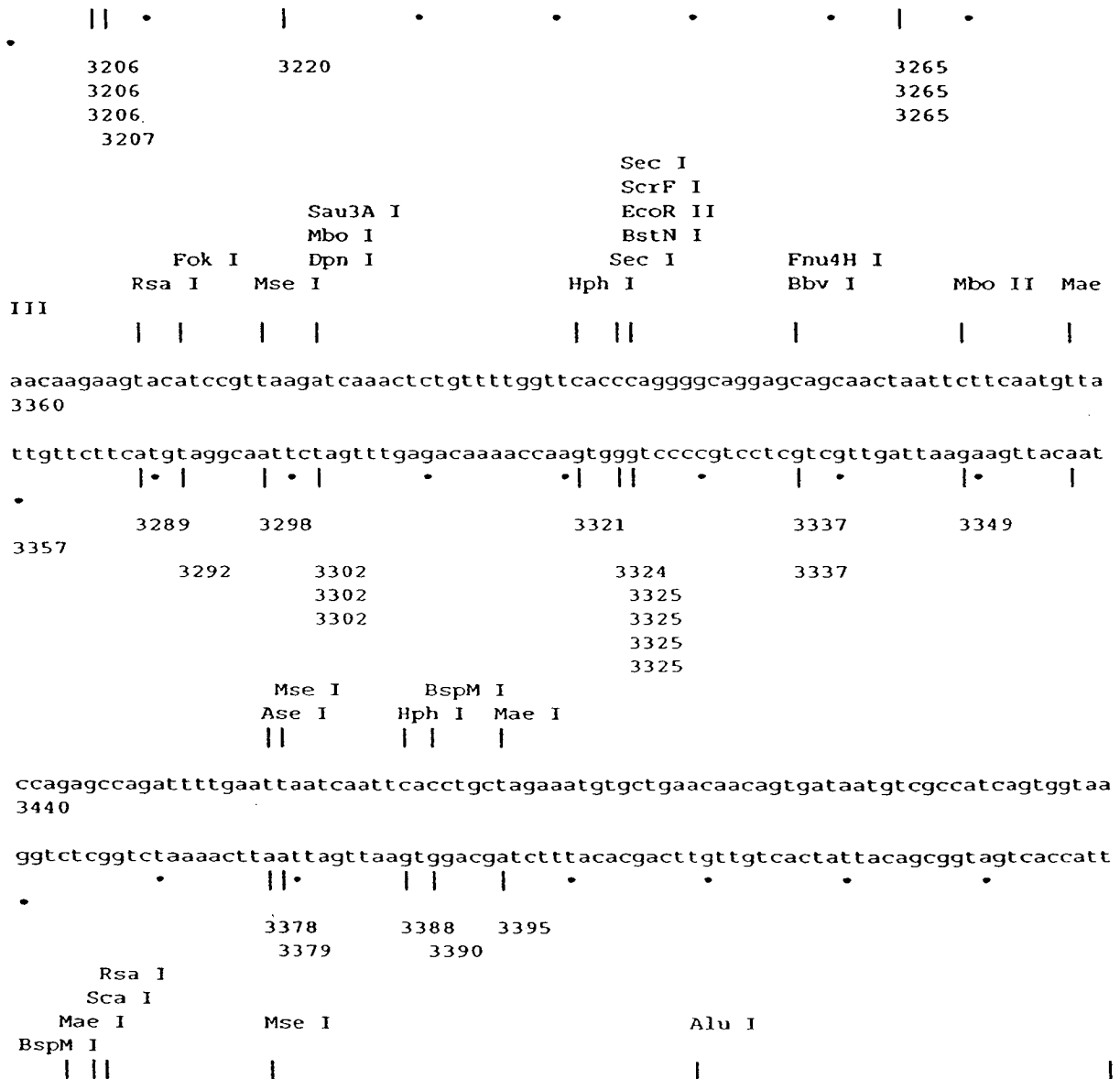


FIG. 1-15

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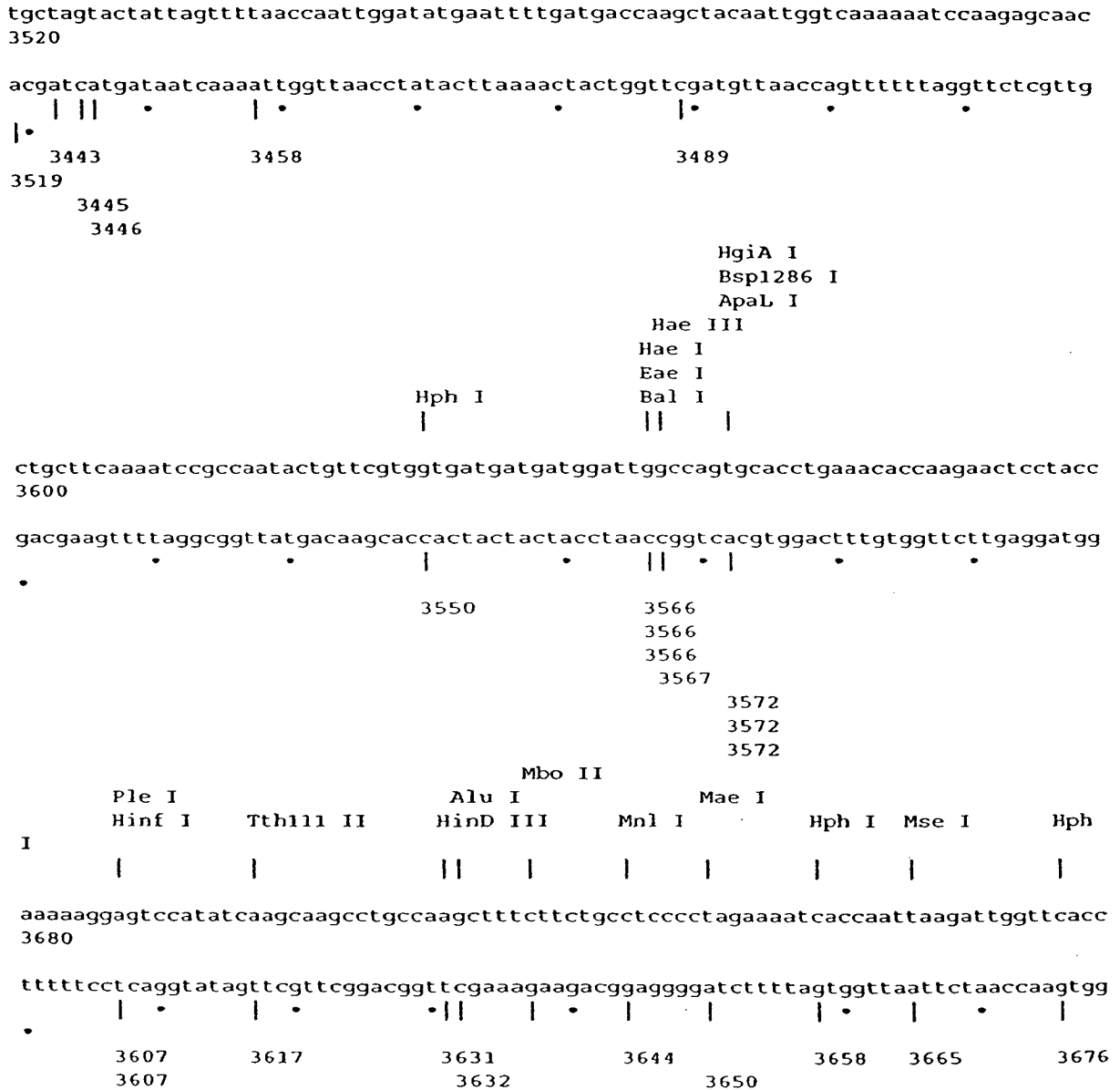


FIG. 1-16

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FIG. 1-17

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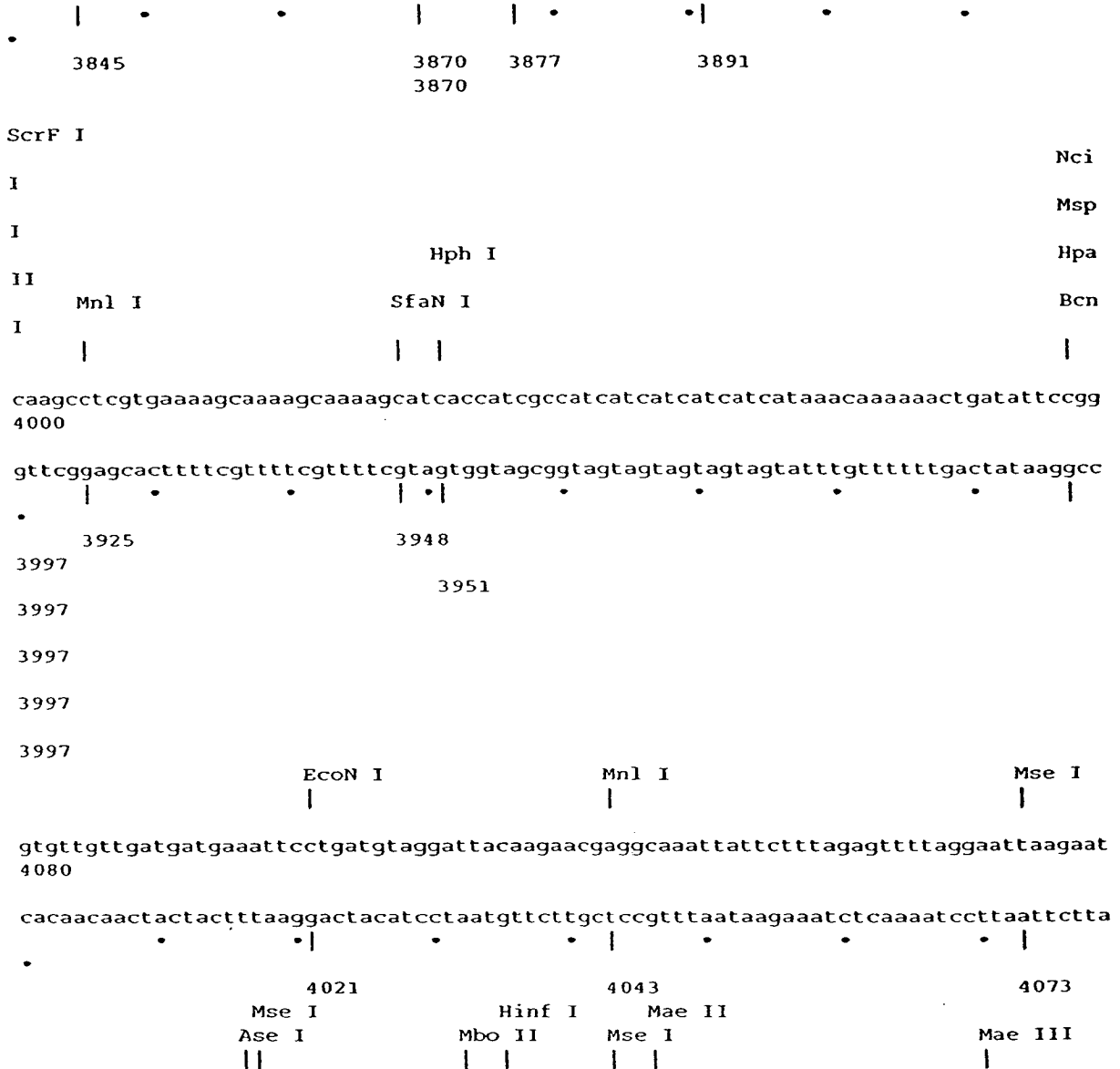


FIG. 1-18

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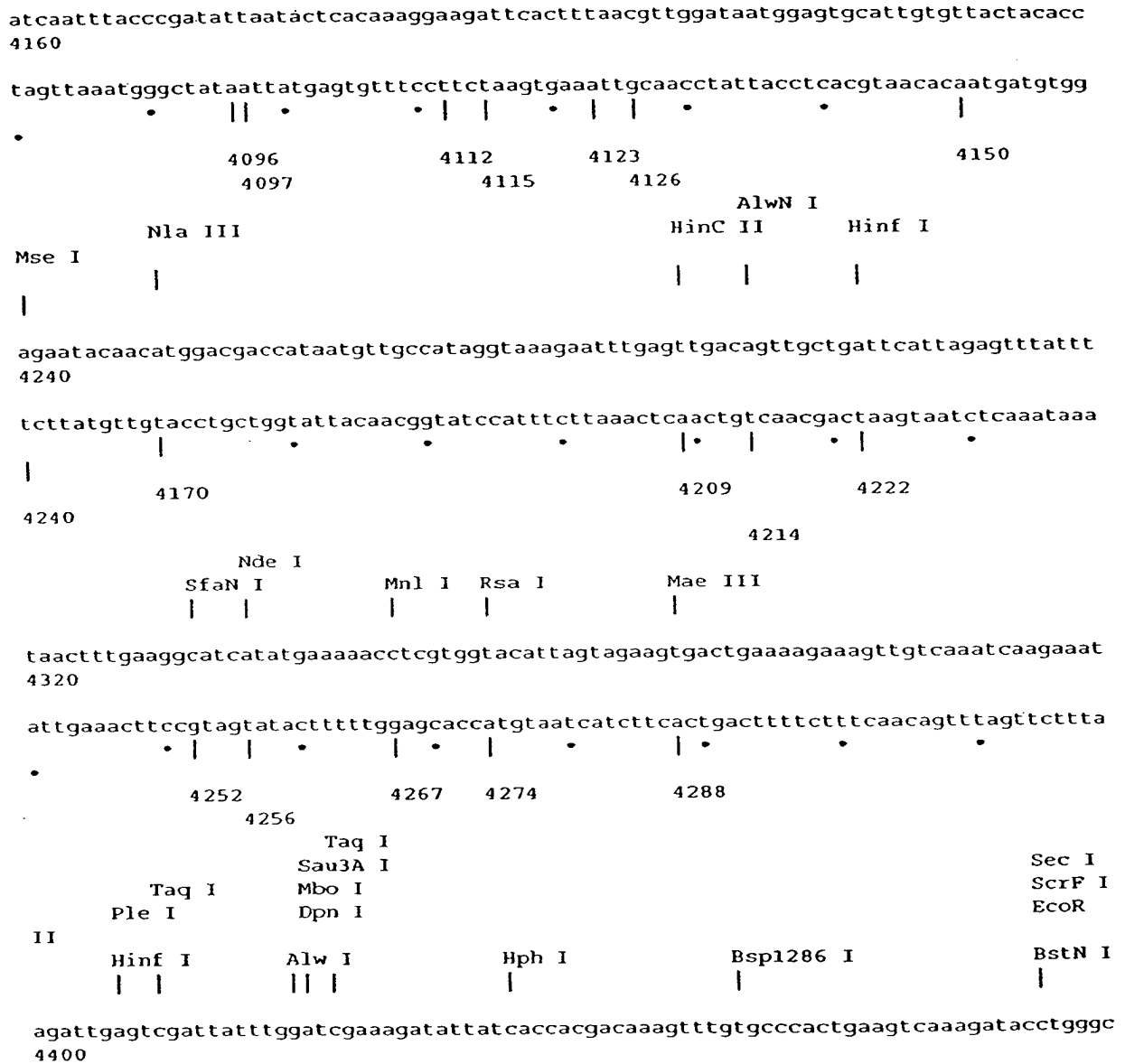


FIG. 1-19

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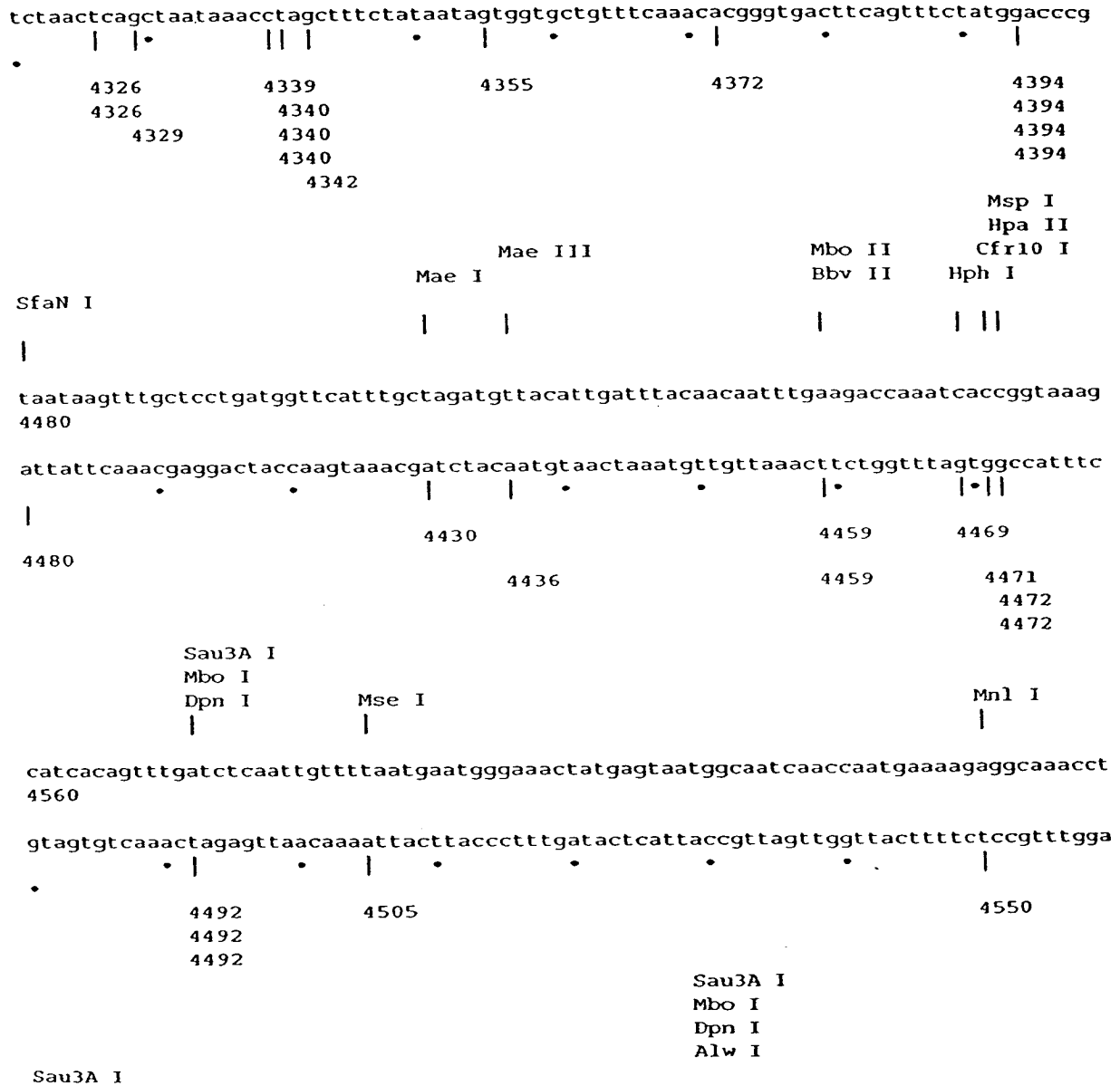


FIG. 1-20

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FIG. 1-21



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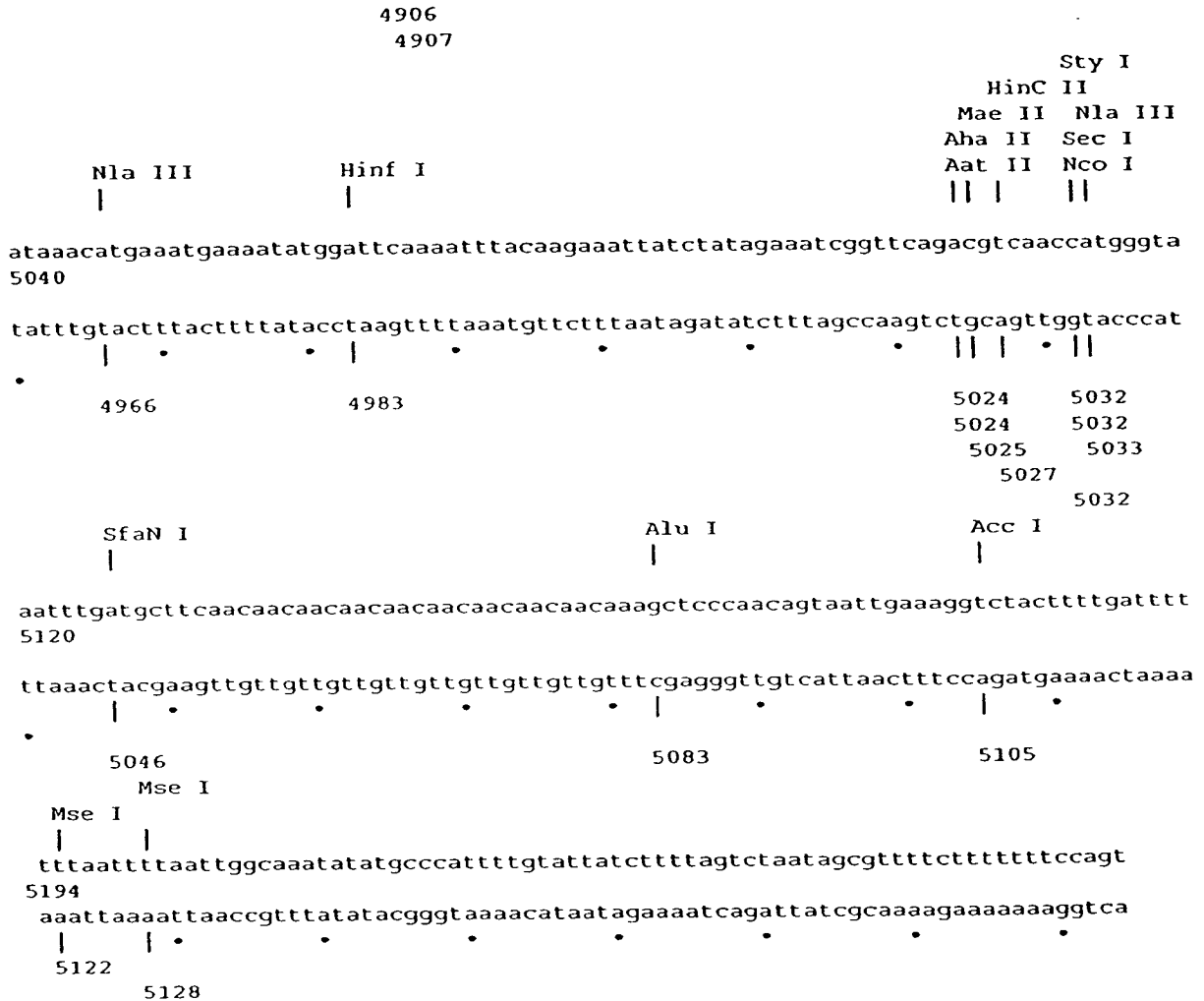


FIG. 1-23

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Primer 1 INT1 5' Primer

5'-CGCTATAGAGCTCAATTTTAAATAAAGAATCAGTAGATCT-3'

Primer 2 INT1 3' Primer

5'-AGCGTATAGGGCCCGAGATAATAACAAAATGGGCATATATTTGCCA-3'

Primer 3 Vk - 5'

5'-CCCGTCTAGAGGAGAYATYGTWATGACCCAGTCTCCA-3'

Primer 4 Vk - 3'

5'-CCCGTCGACCCTTTWAATTCCAGCTTWGTSCC-3'

Primer 5 VH - 5'

5'-CGGGTCGACTTCCGGTAGCGGCAAATCCTCTGAAGGCAAAGGTSAGGTSCAGCTG
SAGSAGTCTGG3'

Primer 6 VH - 3'

5'-TGMRGAGACGGATCCGTRGTYCCTTGGCCCCAG-3'

Primer 7 I - Domain Removal Primer

5'-TTGTTCTTGTTCCCTGTGTTTGCCTTTGCGGCCGATCGCAGGATCCTGGA
ACTGAAGCATTTGTATCTTCATC-3'

R = A or G

Y = C or T

W = A or T

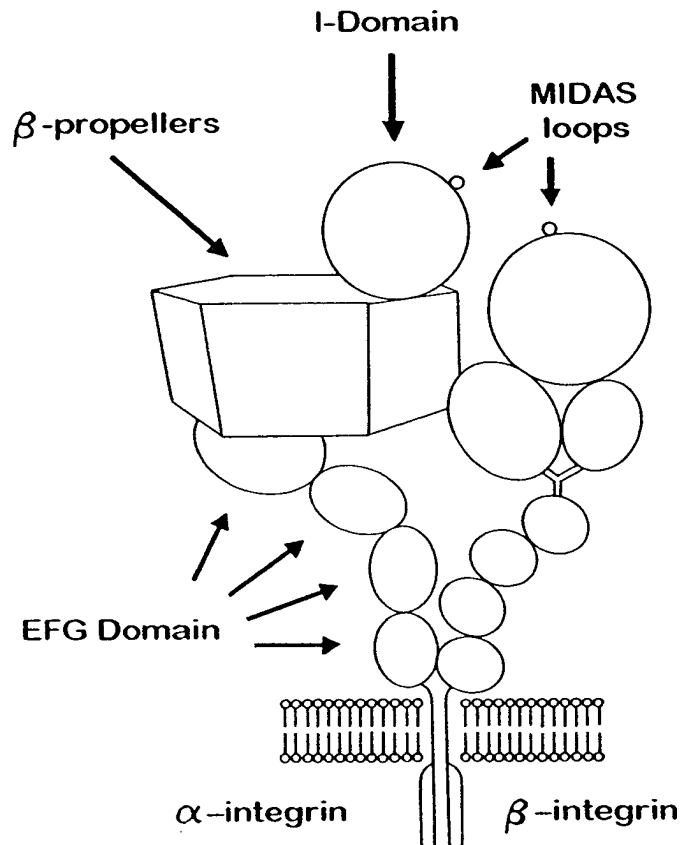
S = C or G

K = G or T

M = A or C

FIG. 2

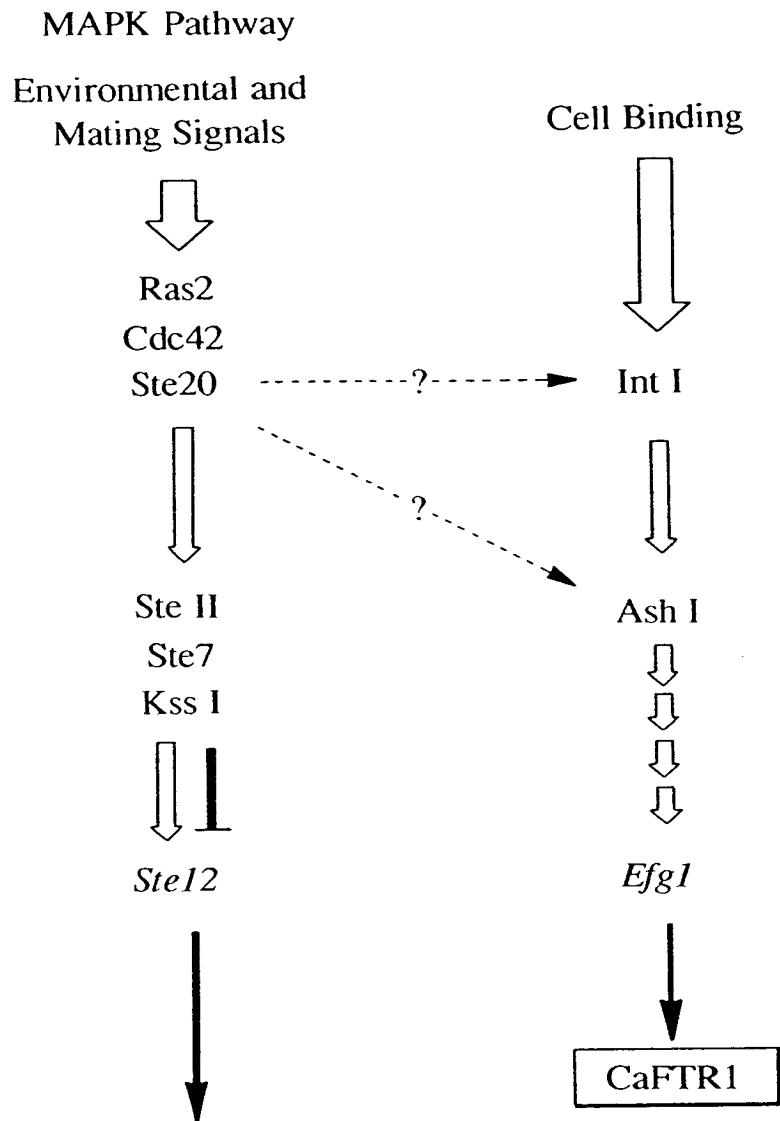
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Human integrin structure (adapted from Humphries 2000).

FIG. 3

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Transcriptional Activation

The bifurcated path of morphology regulation. Dashed lines indicated suspected interactions. CaFTR1 insertion location shown in raised box. Model compiled from Chandarplaty 1998, Edgington 1999, Saporito-Irwin 1995, Lo 1998, Loeb 1999, Rupp 1999, Banuett 1998, Mosch 1996, Mosch 1999, Lorenz 1997.

FIG. 4